

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Trade name	NAXCHEM® N-FOAM 802
CAS No.	Mixture

Relevant identified uses of the substance or mixture and uses advised against

Identified use(s)	Surfactant
Uses advised against	None

Details of the supplier of the safety data sheet

Company Identification	Nease Co., LLC 10740 Paddys Run Road Harrison, OH 45030
Telephone	(513) 738-1255
Telephone (Product Information)	(888) 762-7373
Fax	(513) 587-2828
E-Mail (competent person)	techservice@neaseco.com

Emergency telephone number

Emergency Phone No.	(513) 738-1255 CHEMTREC 24 hr. (800) 424-9300
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Skin Corr. 1C; Eye Dam. 1; Met. Corr. 1; STOT RE 2
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Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard statement(s)

Causes severe skin burns and eye damage.
May be corrosive to metals.
May cause damage to organs through prolonged or repeated exposure:
Kidneys; Oral

Do not breathe dust/fume/gas/mist/vapors/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Precautionary statement(s)

Other hazards

Harmful to aquatic life. Not classified as PBT or vPvB.

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
2-Butoxyethanol dihydrogen phosphate	20 - 30%	14260-98-1	Causes skin irritation. Causes serious eye irritation Harmful to aquatic life.
Benzenesulfonic acid, C10-16-alkyl derivs	15 - 25%	68584-22-5	Causes severe skin burns and eye damage.
2-Butoxyethanol	5 - 10%	111-76-2	Combustible liquid Harmful if swallowed. Harmful if inhaled. Harmful in contact with skin. Causes skin irritation. Causes serious eye damage.
Ethylene Glycol		107-21-1	May cause damage to organs through prolonged or repeated exposure: Kidneys; Oral
Water	45 - 55%	7732-18-5	Not applicable.

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is laboured, administer oxygen. If symptoms occur obtain medical attention.
Skin Contact	Wash affected skin with plenty of water. Remove contaminated clothing immediately. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	If ingested, rinse mouth. Do not induce vomiting. Seek medical treatment.
Most important symptoms and effects, both acute and delayed	Causes severe skin burns and eye damage.
Indication of any immediate medical attention and special treatment needed	None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

-Suitable Extinguishing Media	Extinguish with waterspray, dry chemical, sand or carbon dioxide.
-Unsuitable Extinguishing Media	None anticipated.

Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic vapours.

Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Put on protective equipment before entering danger area.
Environmental precautions	Do not allow to enter drains, sewers or watercourses.
Methods and material for containment and cleaning up	Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Cautiously neutralize remainder. Then wash away with plenty of water. If possible prevent water running into sewers.
Reference to other sections	None
Additional Information	None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Do not get in eyes, on skin, or on clothing. Wear protective gloves / protective clothing / eye protection / face protection. Do not breathe dust / fume / gas / mist / vapors / spray.
Conditions for safe storage, including any incompatibilities	
-Storage Temperature	Store at room temperature.
-Incompatible materials	Attacks many materials and clothing. Keep away from oxidising agents. Keep container tightly closed and dry.
Specific end use(s)	Surfactant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
2-Butoxyethanol	111-76-2	*50 ppm	20 ppm	-----	-----	*skin designation
Ethylene Glycol	107-21-1	-----	-----	-----	100 mg/m3	-----

Recommended monitoring method NIOSH 1403 (Alcohols IV); NIOSH 5500 (Ethylene Glycol)

Exposure controls

Appropriate engineering controls Use only with sufficient ventilation.

Personal protection equipment

Eye/face protection



The following to be used as necessary: Goggles giving complete protection to eyes. Full face shield.

Skin protection (Hand protection/ Other)



The following to be used as necessary: Gloves (Neoprene or Natural rubber). Chemical protection suit. Wear safety or chemical resistant shoes or boots. Check with protective equipment manufacturer's data.

Respiratory protection



No personal respiratory protective equipment normally required.

Thermal hazards

Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Colour	Yellow / Amber
Odour	Mild
Odour Threshold (ppm)	Not available.
pH (Value)	<1
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	100 (>212°F)
Flash Point (°C)	>121 (250 °F)
Evaporation rate (butyl acetate=1)	<1
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	Not available.
Vapour Density (Air=1)	>1
Density (g/ml)	1.2
Solubility (Water)	Soluble
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	<0.1 (log P)
Auto Ignition Temperature (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Other information	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Reacts with -Alkalis Bleaching products and comparable oxidisers. Heat is generated when mixed with water.
Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide, Sulphur oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures

2-Butoxyethanol dihydrogen phosphate (CAS No.14260-98-1) - By analogy with similar materials:

Acute toxicity	Oral: LD50 > 3000 mg/kg (rat) Inhalation: LC0 = 22.53 mg/l (rat) Dermal: LD50 = 5000 mg/kg (rabbit)
Irritation/Corrosivity	Irritating to eyes and skin.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	NOAEL = 200 mg/kg-bw/day (male rat) NOEL = 100 mg/kg-bw/day (female rat)
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity
Toxicity for reproduction

There is no evidence of mutagenic potential.
Not to be expected.

Benzenesulfonic acid, C10-16-alkyl derivs (CAS No. 68584-22-5)

Acute toxicity (By analogy with similar materials)

Oral: LD50 > 5 g/kg-bw
Dermal: LD50 >5 g/kg-bw
Inhalation: LC50 >1.9 mg/l (4 hr exposure)

Irritation/Corrosivity
Sensitization

Corrosive (Skin and Eyes)
It is not a skin sensitizer.

Repeated dose toxicity (By analogy with similar materials)

NOAEL: = 500 mg/kg bw/day (29 days, oral, rat)
NOAEL = 49.5 mg/m³ (6 hours per day, 5 days/week for a total of 28 days, rat).

Carcinogenicity

It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity (By analogy with similar materials)

There is no evidence of mutagenic potential.

Toxicity for reproduction (By analogy with similar materials)

Not to be expected.

2-Butoxyethanol (CAS No. 111-76-2)

NOTE: Rodents shown to be more susceptible to the effects of hemolysis than are humans and guinea pigs, thus acute toxicity for guinea pigs considered more relevant for classification:

Acute toxicity

Oral: LD50 = 1400 mg/kg (guinea pig)
Inhalation: LC0 (1-hr) > 3.1 mg/l (Vapour, guinea pig)
Dermal: LD50 >2000 mg/kg (guinea pig)

Irritation/Corrosivity
Sensitisation

Irritating to eyes and skin.
It is not a skin sensitiser.

Repeated dose toxicity

Inadequate data available to make full assessment. Rodents shown to be more susceptible to the effects of hemolysis than are humans.

Carcinogenicity

NOAEL (Two year cancer study) < 125 ppm - Probably not carcinogenic to humans.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	3	A3	No.	No.

Mutagenicity
Toxicity for reproduction

There is no evidence of mutagenic potential.
NOAEL (parental, F1 and F2 generation) = 720 mg/kg bw/day

Ethylene Glycol (CAS No. 107-21-1)

Acute toxicity

Oral: LD50 = 7712 mg/kg -bw (rat)
Dermal: LD50 > 3500 mg/kg -bw(rat)
Inhalation: LC50 > 2.5 mg/l (rat)

Irritation/Corrosivity
Sensitization

Not Irritating to eyes and skin.
Not a Sensitizer

Repeated dose toxicity

Oral: NOAEL = 150 mg/kg bw/day (rat) Kidney toxicity.
Dermal: NOAEL = 2200-4400 mg/kg bw/day (dog) Kidney toxicity.

Carcinogenicity

NOAEL (mouse): = 1500 mg/kg bw/day (103 weeks)

NTP	IARC	ACGIH	OSHA	NIOSH
No	No	NO	No.	No.

Mutagenicity

There is no evidence of mutagenic potential.

Toxicity for reproduction

 NOEL: 20 mg/m³ Parental and F1 generation (mouse)

SECTION 12: ECOLOGICAL INFORMATION

2-Butoxyethanol dihydrogen phosphate (CAS No.14260-98-1) By analogy with similar materials:

Short term	LC50 (96 hour): = 63.4 mg/l(<i>Brachydanio rerio</i>) IC50 (48 hour): = 38.9 mg/l(<i>Daphnia magna</i> , mobility) EC50 (72 hour): = 14.4 mg/l (<i>Pseudokirchnerella subcapitata</i>)
Long Term	No data
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	The product has low potential for bioaccumulation.
Mobility in soil	The substance has low mobility in soil.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information

None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	2586	2586	2586
Proper Shipping Name	Alkyl sulfonic acids, liquid with not more than 5 percent free sulfuric acid (Benzene sulfonic acid, C10-16 alkyl derivs.)	Alkyl sulphonic acids, liquid with not more than 5 percent free sulphuric acid (Benzene sulphonic acid, C10-16 alkyl derivs.)	Alkyl sulphonic acids, liquid with not more than 5 percent free sulphuric acid (Benzene sulphonic acid, C10-16 alkyl derivs.)
Transport hazard class(es)	8	8	8
Packing group	III	III	III
Hazard label(s)	Corrosive	Corrosive	Corrosive
Environmental hazards	No.	No.	No.
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Canada Domestic Substance List (NDSL / DSL)

-NDSL: 2-Butoxyethanol dihydrogen phosphate

-DSL: Benzenesulfonic acid, C10-16-alkyl derivs; Proprietary glycol ethers

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----

SARA 311/312 - Hazard Categories:

Fire
 Sudden Release
 Reactivity
 Immediate (acute)
 Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
2-Butoxyethanol	111-76-2	5-10 %

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SECTION 16: OTHER INFORMATION

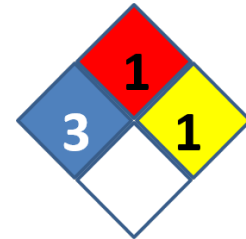
The following sections contain revisions or new statements: 1-16

Date of preparation: October 2, 2014

Additional Information:

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	1
Personal Protection D 	

HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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